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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

NGUYEN BA, HOANG VU A


ART UNIT PAPER NUMBER

2122

DATE MAILED: 06/17/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

PR4

<b>Office Action Summary</b>	Application No. <b>09/184,738</b>	Applicant(s) <b>Morris et al.</b>	
	Examiner <b>Hoang-Vu Antony Nguyen-Ba</b>	Art Unit <b>2122</b>	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on May 13, 2002
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-54 is/are pending in the application.
- 4a) Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-54 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claims \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some\* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \*See the attached detailed Office action for a list of the certified copies not received.

- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                   | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____  |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)          | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____ | 6) <input type="checkbox"/> Other:  |

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## DETAILED ACTION

### *Notice to Applicant(s)*

1. This action is in responsive to the amendment filed May 6, 2002.
2. Per Applicants' request, claims 1-54 have been amended. Claims 1-54 are now pending.
3. In view of Applicants' amendments to claims 1-3, 17, 18, 25, 26, 27, 28, 29, 30, 43, 44, 45, 46, 47, 48, 49, 50, 52, 53, and 54, the rejection of these claims under 35 U.S.C. § 112, second paragraph is hereby withdrawn.

### *Response to Arguments*

4. Applicant's arguments with respect to claims 1-54 have been considered but are moot in view of the new ground(s) of rejection.

### *Claim Rejections - 35 USC § 102*

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international

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application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

6. Claims 1, 23, 25, 26, 27, 28, 50, 52 and 53 are rejected under 35 U.S.C. 102(e) as being anticipated by Ferri et al. ("Ferri"), Method and Apparatus for Performing Single-function Software Operations on a Server Processor for a Target of One or More Processors in a Network of Processors, U.S. Patent Number 5,974,258, 10/1999, 717/178.

Per claims 1 and 28, Ferri discloses at least:

*means for wrapping objects with additional properties and events beyond those properties and events internal to the object (2:25-45 and related discussion elsewhere in the specification); and*

*means for utilizing the additional properties and events to link and sequence the objects (2:25-45 and related discussion elsewhere in the specification).*

Per claims 23 and 50, Ferri discloses at least:

*means for wrapping objects with additional properties and events beyond those properties and events internal to the objects (see at least 2:25-45 and related discussion elsewhere in the specification);*

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*means for utilizing the additional properties and events to link and sequence the objects (see at least 2:25-45 and related discussion elsewhere in the specification); and*

*means for reading one or more sets of property values and event settings maintained separately from the run time system and the objects wherein the execution of the objects is determined by the property values and event settings in the script (see at least 4:57-67; 5:1-12 and related discussion elsewhere in the specification).*

Per claims 25, 52, and 54, Ferri discloses at least:

*means for wrapping objects with additional properties and events beyond those properties and events internal to the object (see at least 2:25-45 and related discussion elsewhere in the specification); and*

*means for utilizing the additional properties and events to link and sequence the objects wherein the run time execution of the objects is determined by property values and events (see at least 2:25-45; 4:57-67; 5:1-12; and related discussion elsewhere in the specification).*

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Per claims 26, 27, and 53, Ferri discloses at least:

*means for wrapping objects with additional properties and events beyond those properties and events provided native to the object (see at least 2:25-45 and related discussion elsewhere in the specification);*

*means for utilizing the additional properties and events to link and sequence the objects (see at least 2:25-45 and related discussion elsewhere in the specification); and*

*means for specifying the temporal relationship among objects by placing the objects on one or more time lines wherein execution of the objects occurs at least partially concurrently and during which property values may be exchanged among the objects and events may be initiated (see at least 2:39-45 and related discussion elsewhere in the specification).*

7. Claims 2, 3, 4, 8, 12, 17, 18, 19, 20, 21, 22, 29, 30, 31, 35, 39, 47, 48, 49 are rejected under 35 U.S.C. 102(e) as being anticipated by Minard, Development System with Application Browser User Interface, U.S. Patent Number 6,247,020, 6/2001, 707/104.1.

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Per claims 2 and 29, Minard discloses at least:

*means for simultaneously displaying a plurality of different representations of the program structure* (see at least Figures 3-7C and related discussion in the specification);  
*and*

*means for manipulating the program structure within each of the different representations; wherein the representations of the program structure may be synchronized* (see at least Figure 4B and related discussion in the specification).

Per claims 3 and 30, Minard further discloses *a means for highlighting the icon for each object in the representations as objects are being instantiated during application development playback preview* (see at least Figure 4A, highlighted item of tree 411 and 430 and related discussion in the specification).

Per claims 4, 8, 12, 31, 35, 39, Minard discloses at least:

*a development environment and an interpreting run time environment* (see at least Figure 2B, blocks 223, 224 and related discussion in the specification).

*means for utilizing objects by specifying property value according to the script* (see at least 6:55-56, "Wizards menu" and related discussion elsewhere in the specification).

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Per claims 5, 9, 13, 32, 36, and 40, Minard further discloses *a means for communicating among objects through the exchange of property values* (see at least Figure 4A and related discussion elsewhere in the specification).

Per claims 6, 10, 14, 33, 37, and 41, Minard further discloses *a means for communicating among objects wherein an event generated by an object triggers an instance of another object* (see at least Figure 4A and related discussion elsewhere in the specification, e.g., section C, "Content Pane").

Per claims 7, 11, 15, 34, 38, and 42, Minard further discloses *a means for communicating among standard objects wherein an event generated by an object triggers an instance of another object* (see at least Figure 4A and related discussion elsewhere in the specification).

Per claims 16 and 43, Minard further discloses *a means for adding additional programming constructs by employing objects that perform the function of programming constructs wherein unlimited expansion of program capabilities is achieved* (see at least 9:63-67; 10:1-67; 11:1-12 and related discussion elsewhere in the specification).



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Per claims 17, 18 and 19, Minard discloses at least:

*a run time program* (see at least Figure 2A, block 220 and related discussion in the specification).

*means for utilizing standard objects by identifying the objects and specifying property values* (see at least 6:55-56, "Wizards menu" and related discussion elsewhere in the specification).

Per claims 20, 21, 47, and 48, Minard discloses at least:

*means for instantiating objects* (see at least 2:30-42 and related discussion elsewhere in the specification);

*means for integrating objects* (see at least 8:1-62 and related discussion elsewhere in the specification);

*means for sequencing objects* (see at least 12:33-48, 58-67; 13:1-28 and related discussion elsewhere in the specification); *and*

*means for providing communication among objects wherein the functionalities performed by the system during execution are determined by the objects used and the script* see at least 8:1-62 and related discussion elsewhere in the specification).

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Per claims 22 and 49, Minard discloses at least:

*means for setting the values of properties and connecting events* (see at least 9:63-67; 10:1-67; 11:1-12 and related discussion elsewhere in the specification);

*means for recording and maintaining a history of a plurality of properties settings and event connections as the settings and connections are changed* (see at least 11:13-67 and related discussion elsewhere in the specification); *and*

*means for traversing the history one change at a time wherein the property values and event connections may be edited from any point in the history* (see at least 8:63-67; 9:1-67 and related discussion elsewhere in the specification).

Per claims 24 and 51, Minard further discloses *means for adding programming constructs or sub-languages utilizing objects* (see at least 8:63-67; 9:1-67 and related discussion elsewhere in the specification).

### *Conclusion*

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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Shagam et al. reference teaches Automatic Creation of C to Assembler Interface, U.S. Patent Number 6,014,517, 1/2000, 717/142.

9. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to examiner Hoang-Vu "Antony" Nguyen-Ba, whose telephone number is (703) 305-0103. The examiner can normally be reached on Monday-Thursday from 6:15 AM - 4:45 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory Morse, can be reached at (703) 308-4789.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

A handwritten signature in cursive script, reading "Hoang-Vu 'Antony' Nguyen-Ba". The signature is written in black ink and is positioned above the printed name.

Hoang-Vu "Antony" Nguyen-Ba

June 13, 2002